

SEQUENCE LISTING

<110> Hanrahan, John W.
Luo, Yishan

<120> METHOD FOR LABELING A MEMBRANE-LOCALIZED PROTEIN

<130> MGU-0027

<160> 10

<170> PatentIn version 3.1

<210> 1

<211> 4572

<212> DNA

<213> Homo sapiens

<400> 1

aattggaagc aaatgacatc acagcaggtc agagaaaaag ggttgagcgg caggcaccca
60

gagtagtagg tctttggcat taggagcttg agcccagacg gccctagcag ggaccccagc
120

gcccagagaga ccatgcagag gtcgcctctg gaaaaggcca gcgttgtctc caaacttttt
180

ttcagctgga ccagaccaat tttgaggaaa ggatacagac agcgcctgga attgtcagac
240

atataccaaa tcccttctgt tgattctgct gacaatctat ctgaaaaatt ggaaagagaa
300

tgggatagag agctggcttc aaagaaaaat cctaaactca ttaatgccct tcggcgatgt
360

tttttctgga gatttatgtt ctatggaatc tttttatatt taggggaagt caccaaagca
420

gtacagcctc tcttactggg aagaatcata gcttcctatg acccgataa caaggaggaa
480

cgctctatcg cgatttatct aggcataggc ttatgccttc tctttattgt gaggacactg
540

ctcctacacc cagccatttt tggccttcat cacattggaa tgcagatgag aatagctatg
600

tttagtttga tttataagaa gacttttaaag ctgtcaagcc gtgttctaga taaaataagt
660

attggacaac ttgttagtct cctttccaac aacctgaaca aatttgatga aggacttgca
720

ttggcacatt tcgtgtggat cgctcctttg caagtggcac tcctcatggg gctaactctgg
780

gagttgttac aggcgtctgc cttctgtgga cttggtttcc tgatagtcct tgccttttt
840

caggctgggc tagggagaat gatgatgaag tacagagatc agagagctgg gaagatcagt
900

gaaagacttg tgattacctc agaaatgatt gaaaatatcc aatctgttaa ggcatactgc
960

tggaagaag caatggaaaa aatgattgaa aacttaagac aaacagaact gaaactgact
1020

cggaaggcag cctatgtgag atacttcaat agctcagcct tcttcttctc agggttcttt
1080

gtggtgtttt tatctgtgct tccctatgca ctaatcaaag gaatcatcct ccggaataa
1140

ttcaccacca tctcattctg cattgttctg cgcattggcg tcactcggca atttccctgg
1200

gctgtacaaa catgggatga ctctcttgga gcaataaaca aaatacagga tttcttacia
1260

aagcaagaat ataagacatt ggaatataac ttaacgacta cagaagtagt gatggagaat
1320

gtaacagcct tctgggagga gggatttggg gaattatttg agaaagcaaa acaaaacaat
1380

aacaatagaa aaacttctaa tggatgatgac agcctcttct tcagtaattt ctcacttctt
1440

ggtactcctg tcctgaaaga tattaatttc aagatagaaa gaggacagtt gttggcggtt
1500

gctggatcca ctggagcagg caagacttca cttctaattg tgattatggg agaactggag
1560

ccttcagagg gtaaaattaa gcacagtgga agaatttcat tctgttctca gttttcctgg
1620

attatgcctg gcaccattaa agaaaatatc atctttggtg tttcctatga tgaatataga
1680

tacagaagcg tcatcaaagc atgccaacta gaagaggaca tctccaagtt tgcagagaaa
1740

gacaatatag ttcttggaag aggtggaatc aactgagtg gaggtcaacg agcaagaatt
1800

tcttttagcaa gagcagtata caaagatgct gatttgtatt tattagactc tccttttgga
1860

tacctagatg ttttaacaga aaaagaaata ttgaaagct gtgtctgtaa actgatggct
1920

aacaaaacta ggattttggt cacttctaaa atggaacatt taaagaaagc tgacaaaata
1980

ttaatTTTTgc atgaaggtag cagctatTTTT tatgggacat tttcagaact ccaaaatcta
2040

cagccagact ttagctcaaa actcatggga tgtgattctt tcgaccaatt tagtgcagaa
2100

agaagaaatt caatcctaac tgagacctta caccgtttct cattagaagg agatgctcct
2160

gtctcctgga cagaaacaaa aaaacaatct tttaaacaga ctggagagtt tggggaaaaa
2220

aggaagaatt ctattctcaa tccaatcaac tctatacgaa aattttccat tgtgcaaaag
2280

actcccttac aaatgaatgg catcgaagag gattctgatg agcctttaga gagaaggctg
2340

tccttagtac cagattctga gcaggagag gcgatactgc ctcgcatcag cgtgatcagc
2400

actggcccca cgcttcaggc acgaaggagg cagtctgtcc tgaacctgat gacacactca
2460

gttaaccaag gtcagaacat tcaccgaaag acaacagcat ccacacgaaa agtgtcactg
2520

gcccctcagg caaacttgac tgaactggat atatattcaa gaaggttatc tcaagaaact
2580

ggcttggaag taagtgaaga aattaacgaa gaagacttaa aggagtgctt ttttgatgat
2640

atggagagca taccagcagt gactacatgg aacacatacc ttcgatatat tactgtccac
2700

aagagcttaa tttttgtgct aatttggtgc ttagtaattt ttctggcaga ggtggctgct
2760

tctttggttg tgctgtggct ccttggaac actcctcttc aagacaaagg gaatagtact
2820

catagtagaa ataacagcta tgcagtgatt atcaccagca ccagttcgta ttatgtgttt
2880

tacatttacg tgggagtagc cgacactttg cttgctatgg gattcttcag aggtctacca
2940

ctggtgcata ctctaatac agtgtcgaaa attttacacc acaaaatggt acattctggt
3000

cttcaagcac ctatgtcaac cctcaacagc ttgaaagcag gtgggattct taatagattc
3060

tccaaagata tagcaatttt ggatgacctt ctgcctctta ccatatttga cttcatccag
3120

ttgttattaa ttgtgattgg agctatagca gttgtcgcag ttttacaacc ctacatcttt
3180

gttgcaacag tgccagtgat agtggctttt attatgttga gagcatatth cctccaaacc
3240

tcacagcaac tcaaacaact ggaatctgaa ggcaggagtc caattttcac tcattctgtt
3300

acaagcttaa aaggactatg gacacttcgt gccttcggac ggcagcctta ctttgaaact
3360

ctgttccaca aagctctgaa ttacataact gccaaactgg tcttgtacct gtcaaacactg
3420

cgctgggttc aaatgagaat agaaatgatt ttgtcatct tcttcattgc tgttaccttc
3480

atthccatth taacaacagg agaaggagaa ggaagagttg gtattatcct gactthtagcc
3540

atgaatatca tgagtacatt gcagtgggct gtaaaactcca gcatagatgt ggatagcttg
3600

atgcgatctg tgagccgagt ctttaagttc attgacatgc caacagaagg taaacctacc
3660

aagtcaacca aaccatacaa gaatggccaa ctctcgaaag ttatgattat tgagaattca
3720

cacgtgaaga aagatgacat ctggccctca gggggccaaa tgactgtcaa agatctcaca
3780

gcaaaatata cagaagggtg aaatgccata ttagagaaca tttccttctc aataagtcct
3840

ggccagaggg tgggcctctt gggaagaact ggatcagggg agagtactth gttatcagct
3900

tttttgagac tactgaacac tgaaggagaa atccagatcg atggtgtgtc ttgggattca
3960

ataactthgc aacagtggag gaaagcctth ggagtgatac cacagaaagt atthatttht
4020

tctggaacat ttagaaaaaa cttggatccc tatgaacagt ggagtgatca agaaatatgg
4080

aaagttgcag atgaggttgg gctcagatct gtgatagaac agthtcttg gaagcttgac
4140

ttgtccttg tggatgggg ctgtgtccta agccatggcc acaagcagth gatgtgcttg
4200

gctagatctg ttctcagtaa ggcgaagatc ttgtgcttg atgaaccag tgctcatttg
4260

gatccagtaa cataccaaat aattagaaga actctaaaac aagcattthc tgattgcaca
4320

gtaattctct gtgaacacag gatagaagca atgctggaat gccacaatt tttggtcata
4380

gaagagaaca aagtgcggca gtacgattcc atccagaaac tgctgaacga gaggagcctc
4440

ttccggcaag ccatcagccc ctccgacagg gtgaagctct ttccccaccg gaactcaagc
4500

aagtgcaagt ctaagcccca gattgctgct ctgaaagagg agacagaaga agagggtgcaa
4560

gatacaaggc tt
4572

<210> 2
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic biotin target sequence tag

<400> 2

Cys Gly Ser Gly Leu Asn Asp Ile Phe Glu Ala Gln Lys Ile Glu Trp
1 5 10 15

His Glu Gly Ala Pro Cys
20

<210> 3
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic FLAG epitope

<400> 3

Asp Tyr Lys Asp Asp Asp Asp Lys
1 5

<210> 4
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic hemagglutinin tag

<400> 4

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
1 5

<210> 5

<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer

<400> 5
acacactcag ttaaccaagg tcagaacatt cac
33

<210> 6
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer

<400> 6
gattttctga gcctcgaaga tgtcgttcag gccggagccg cagttatttc tactatg
57

<210> 7
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer

<400> 7
gaggctcaga aaatcgaatg gcacgaaggc gcgccgtgca gctatgcagt gattatcacc
60

<210> 8
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer

<400> 8
ccagatgtca tctttcttca cgtggtaatt ctcaataata atcataac
48

<210> 9
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide primer

<400> 9

ggagacaatg gatccaagga taacaccgtg ccactgaaat tg
42

<210> 10

<211> 56

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide primer

<400> 10

gatgccccaa gcttgatcc tcatttttct gcactacgca gggatatttc accgcc
56